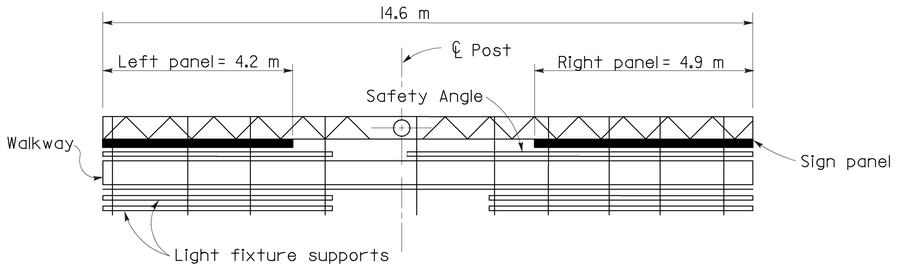
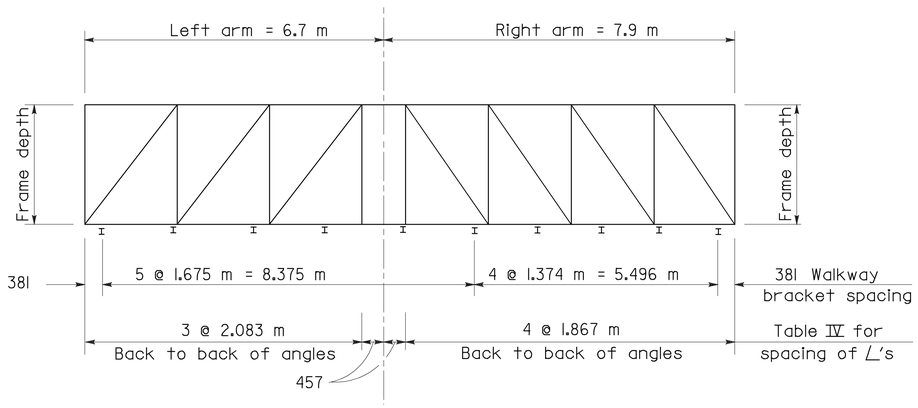


PLAN



UNBALANCED SINGLE POST TYPE

Example No. 1

INSTRUCTIONS TO FABRICATOR

PROJECT PLANS SHOW:

1. Sign structure location.
2. Length of structure frame.
3. Panel size and locations on structure.
4. Walkway length for 2-post signs.
5. Post type and height to bottom of frame.
6. Base plate elevation.
7. Footing elevation or location of pile foundation.
8. Photoelectric cell location if required.

REFER TO THE FOLLOWING STANDARD PLANS FOR DETAILS NOT SHOWN ON PROJECT PLANS:

S1	Instructions and Examples
S2	Post Types II Thru VIII
S3	Post Types I-S Thru VII-S
S4	Structural Frame Members
S5	Structural Frame Members
S6	Structural Frame Details
S7	Frame Junction Details
S8A,B,C,D	Sign Panel Mounting Details
S9	Walkway Details No 1
S10	Walkway Details No 2
S11	Walkway Safety Railing Details
S13	Pile Foundation
ES-15A	Mercury Sign Lighting Equipment
ES-15C	Sign Lighting Equipment

WALKWAY BRACKETS:
Space all walkway brackets maintaining uniform spacing where possible. Maximum spacing shall not exceed 1675 mm.

LIGHTING FIXTURE SUPPORTS:
Where distance from walkway bracket to end of sign panel exceeds 406 mm, extend lighting fixture supports to next walkway bracket. See Example No 2.

WALKWAY AND SAFETY RAILING:
Walkway to be continuous for entire length of frame for single post signs. For 2 post signs see Project Plans. Safety railing to protect entire walkway, but continuous for no more than 3.35 m in one unit.

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Jeffrey B. Woody
REGISTERED CIVIL ENGINEER

October 26, 2000
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jeffrey B. Woody — No. C41260 — Exp. 3-31-03 — CIVIL — STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated _____

NOTES

SPECIFICATIONS:

DESIGN: AASHTO Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, dated 1994.

CONSTRUCTION: Standard Specifications and the Special Provisions.

LOADING:

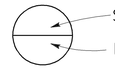
WIND LOADING:
Normal to face of sign: 1490 Pa
Transverse to face of sign: 20% of normal force.
WALKWAY LOADING:
Dead load+2.22 kN concentrated live load.

UNIT STRESSES:

STRUCTURAL STEEL: fs = 138 MPa
REINFORCED CONCRETE: fs = 138 MPa
fc = 8.3 MPa
FOOTING SOIL PRESSURE: 120 kPa (spread footing)

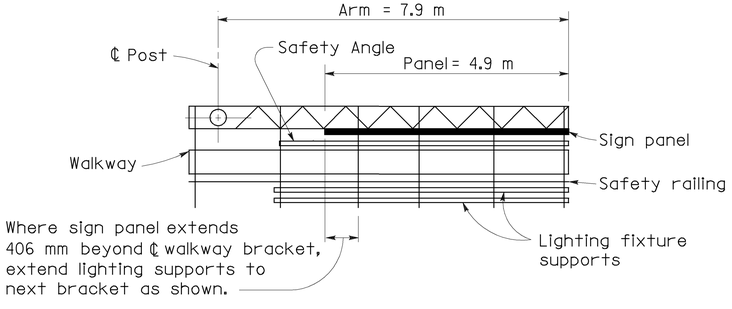
MINIMUM CLEARANCE: Vertical roadway clearance 5.5 m.

WELDING: All welding continuous unless otherwise noted on the plans. All welding to be done in accordance with the Standard Specifications.

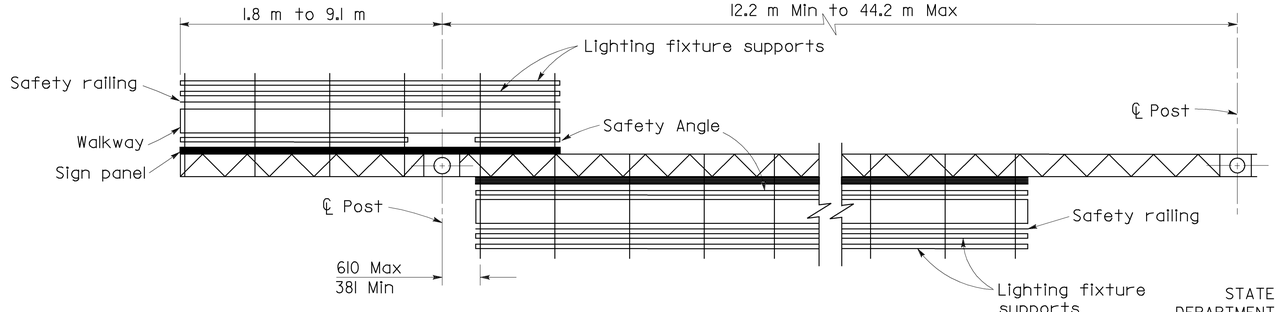


NOTE

Signs are shown and dimensioned looking in the direction of traffic. Double faced signs are shown and dimensioned looking ahead along stationing.



PLAN
CANTILEVER SINGLE POST TYPE
Example No. 2



PLAN
TWO POST TYPE WITH CANTILEVER
(PART DOUBLE-FACED)
Example No. 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TRUSS INSTRUCTIONS AND EXAMPLES

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

RSP S1 DATED OCTOBER 26, 2000 SUPERSEDES STANDARD PLAN S1 DATED JULY 1, 1999-PAGE 218 OF THE STANDARD PLANS BOOK DATED JULY 1999.

REVISED STANDARD PLAN RSP S1

1999 STD. PLAN RSP S1